

CD1000

OWNER'S MANUAL

CD Multi-Source Receiver

We appreciate your purchase of this receiver.
Please read through this manual for correct operation.
We suggest that after reading it you keep this manual
in a safe place for future reference.

English

MANUEL D'UTILISATION

CD Multi-Source Receiver

Nous vous remercions d'avoir acheté ce récepteur.
Veuillez lire ce manuel afin d'utiliser votre appareil
correctement.

Nous vous recommandons de conserver
ce manuel dans un endroit sûr afin de pouvoir le
consulter ultérieurement.

Français

MANUAL DEL PROPIETARIO.

CD Multi-Source Receiver

Tras adquirir este receptor rogamos lea atentamente su
manual para una correcta utilización del equipo.
Igualmente, guarde dicho manual en un lugar
adecuado para poder recurrir a él en caso de futuras
consultas.

Español

FUJITSU TEN

For your safety in using the CD1000

Warnings and caution signs, illustrated below, are posted throughout this manual as well as on the CD1000. They show safe and correct ways to handle the main unit to prevent personal injury to you, others and to avoid property damage.

Before reading through the manual, take time to read through and learn the important information listed in this section.



Warning

This "WARNING" sign indicates a situation in which incorrect handling or disregard of this sign may result in death or serious personal injury.



Caution

This "CAUTION" sign indicates a situation in which incorrect handling or disregard of this sign may result in personal injury or may result solely in damage to property.

Please read all materials such as manuals and warranties that have come with the main unit.

Eclipse will not be liable for unsatisfactory main unit performance due to failure to follow these instructions.



WARNING

- Do not modify this system for use other than that specified herein. Also, do not deviate from the installation procedures described herein; Eclipse will not be held liable for damages including, but not limited to serious injury, death or property damage resulting from installations that enable unintended operation.
- This main unit requires 12V DC and should only be installed in a vehicle with a 12V negative ground electrical system. Any other installation may cause a fire or other severe damage to the main unit and the vehicle.
- Some main unit uses batteries. Never install main unit where young children can get access to batteries. If a battery is swallowed, seek medical attention immediately.
- When the vehicle is in motion, never take your eyes off the road to make adjustments to the main unit. You must pay attention to the road to avoid accidents, do not let the operation or adjustment of the main unit distract you from proper vehicle operation.
- The driver should not look at the screen while driving. Accidents may result if you are not paying attention to the forward direction.
- Do not put foreign objects in the loading slot of disc. Fires or shocks may result.
- Do not disassemble or alter this main unit. Accidents, fires or shocks may result.
- Do not let water, dust or foreign objects enter the internal parts of this main unit. Smoke, fires or shocks may result.
- Pay attention to the location of the remote control. Traffic accidents or problems with driving may result if the remote control makes its way under the foot pedals etc. When the vehicle is in motion (Example: during stops, going around corners).
- Do not use when the equipment is malfunctioning (the screen is not lit or no sound comes out). Accidents, fires or shocks may result.

WARNING

- Always replace fuses with fuses of identical capacity and characteristics. Never use a higher capacity fuse than the original. Using the wrong type of fuse may cause a fire or severe damage.
- If foreign objects or water enters the main unit, smoke comes out, or there is a strange odor, stop using it immediately, and contact your dealer. Accidents, fires, or shocks may result if you continue to use it in these conditions.
- The driver should not change the CD while driving. As accidents may result if you are not paying attention to the forward direction, first stop the car at a safe location and then proceed.
- Plastic bags and wrappings may cause suffocation and death. Keep away from babies and children. Never put bag over your head or mouth.

1

CAUTION

- When changing the installation location for this main unit, please consult the dealer where you bought it for safety reasons. Expertise is necessary for removal and installation.
- Keep volume to a reasonable level so that you can hear sounds from outside the vehicle, including warning sounds, voices, and sirens. Failure to do so may cause an accident.
- Be careful that hands and fingers are not pinched when adjusting the tilting angle or closing display. Injuries may result.
- Do not put your hands or fingers into the loading slot of disc. Injuries may result.
- Do not touch the heat dissipating part of the amp. Burns may result from the heat of this part.
- Do not recharge dry cell batteries. Dry cell batteries may rupture, resulting in injuries.
- Do not use batteries other than those specified. Also, do not mix old and new batteries. Injuries or pollution to the surroundings may result from battery ruptures and leakage.
- When inserting batteries into the main unit, be careful with the polarity (positive/negative), and insert them as indicated. If the battery polarities are incorrect, injuries and pollution to the surroundings may result from battery ruptures and leakage.
- Replace used batteries as soon as possible; they may leak and damage main unit. Battery leakage can burn your skin or your eyes. Wash hands after handling.
- If alkaline solution from alkaline dry cell batteries makes contact with your skin or clothes, flush with clean water. If any of the solution gets in your eyes, also flush clean with water and then seek medical attention.
- When disposing of lithium dry cell batteries, affix insulating tape to the positive and negative terminals, and after they are insulated, dispose of them according to the "Local municipal ordinances". Shorts, fires and ruptures may result from disposal when coming contact with other electrically conductive objects such as metal parts, etc.
- Do not short, disassemble or heat the batteries, or place them in fire or water. Fire and injuries may result from battery rupture and leakage.
- Store the remote control in a place away from direct sunlight, high temperatures, and high moisture levels. The case may change shape, and the batteries may rupture and leak.
- Do not use this main unit except for in-vehicle use. Shocks or injuries may result.

⚠ CAUTION

- Take notice of the volume position prior to turning ON the power. Hearing damage may result if very loud noise is emitted when the power is turned ON.
- Do not operate under abnormal conditions such as when the sound is broken or distorted. Fires may result.
- This main unit uses invisible laser light. Do not disassemble or alter this equipment. If trouble occurs, contact the dealer where you bought the equipment. Altering this equipment may cause exposure to laser emissions (worsening eyesight), or result in accidents, fires or shocks.
- If the main unit is dropped or the cosmetics appear broken, turn off the power to the main unit and contact your dealer. If used in this condition, fires or shocks may result.

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Operating precautions

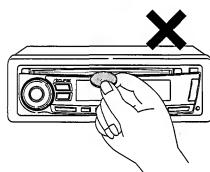
<Your CD1000 will perform over a long period of time through correct handling and care.>

Notes on operation

For your safety, play only at volume levels that allow outside sounds to be heard.



- It is recommended to use the logo shown to the left for this player.
- You can play music CDs(CD-R/CD-RW) on this player. Be sure to use discs that have been properly processed.
- Depending on the editing equipment used, some discs may not play properly.



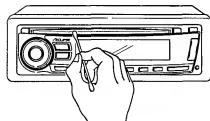
- Do not insert anything other than a CD into the head unit.
- Do not insert any foreign objects, such as coins or credit cards, into the disc slot. Be especially watchful of children's mischief in this regard.



- Avoid severe mechanical shock.
- When the player is subjected to severe vibration while traveling over a rough surface, playback may be intermittent. When a situation like this occurs, resume playback after returning to a smoother road.



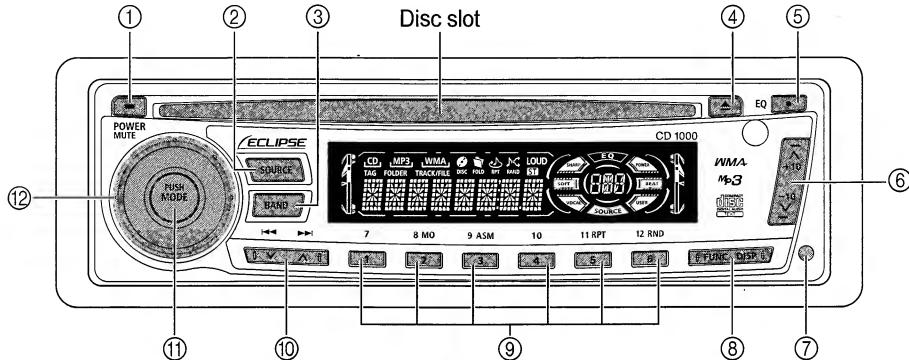
- About dew condensation.
- In cold or rainy weather, just as the interior glass surface gets fogged, dew (water condensation) may also settle on the deck. When this occurs, disc playback may become intermittent or impossible.
- Dehumidify the air in the vehicle for a while before resuming playback.



- Cleaning the disc slot.
- The disc slot tends to get dusty. Clean it occasionally to prevent accumulated dust from scratching the discs.

Names of controls and parts

Front view



No.	Button	Name/Function	No.	Button	Name/Function
①	[POWER MUTE]	[POWER MUTE] button Turns deck power ON/OFF. Activates and deactivates mute.	⑧	[FUNC DISP]	[FUNC DISP] button Switches screen display. Switches a function of each button.
②	[SOURCE]	[SOURCE] button Switches to the CD mode and the radio mode.	⑨	[1] [2] [3] [4] [5] [6]	Buttons [1] to [6] CD mode: Select the desired track by button number. Tuner mode: Select the desired radio preset channel.
③	[BAND]	[BAND] button Switches radio bands.	⑩	[▼ ▲]	[▼ ▲] button CD mode: Fast-forwards/rewinds and selects the desired track. Tuner mode: Tunes to stations automatically or manually.
④	[▲(EJECT)]	[▲(EJECT)] button Ejects compact disc.	⑪	[PUSH MODE]	[MODE] button Switches the audio control mode. Turns the function mode ON and OFF.
⑤	[EQ]	[EQ] button Sets the equalizer settings.	⑫	[PUSH MODE]	Control dial Adjusts volume.
⑥	[^+10 / -10 ^]	[^+10 / -10 ^] button CD mode: Selects the desired track by button number. Tuner mode: Selects the desired radio preset channel.			
⑦	[Release]	[Release] button Detaches the right end of the front panel from the body of the main unit or equipment.			

Turning the power on and off

When the power is turned ON, the last source mode used (such as CD or tuner) prior to turning OFF the power will be restored.

1 Press the [POWER] button until the power is turned off.

2 Press the [POWER] button again to turn the power on.

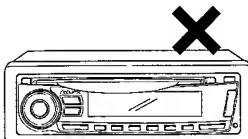
● MEMO ●

- When the power is off, pressing the [SOURCE] button will turn the power on.
- When the power is off, pressing the [DISP] button will display the clock for 5 seconds.

How to operate the CD player

About compact discs

- The signal recorded on a compact disc is read by a laser beam, so nothing touches the disc surface. A scratch on the recorded surface or a badly warped disc may cause deteriorated sound quality or intermittent playback. Observe the following precautions to ensure high quality sound performance:



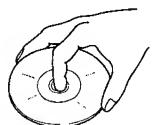
- Do not leave an ejected disc in the disc slot for very long; the disc may warp. Discs should be stored in their cases and kept away from high temperature and humidity.



- Do not stick a piece of paper or tape on the disc. Do not write on or scratch either side of a disc.

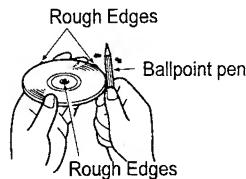


- Discs spin at a high speed inside the deck. Keep cracked or warped discs out of the player to avoid damage to the deck.

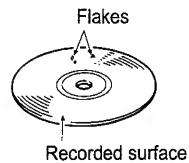


- Avoid touching the recorded surface when handling a disc; handle discs by their edges.

About brand new CDs

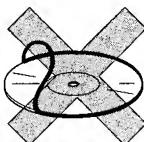
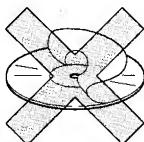


- You may notice that some brand new discs are rough around the center hole or outside edge. Remove the rough edges with the side of a ballpoint pen, etc. Rough edges may prevent proper loading in the deck. Flakes from the rough edges may also stick to the recorded surface and interfere with playback.



III
IV

About CD accessories

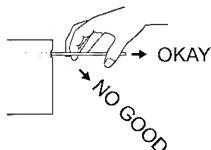


- Do not use accessories (stabilizers, protective seals, laser lens cleaners, etc.) sold for "improving sound performance" or "protecting CDs." The changes in CD thickness or outside dimensions made by these accessories may cause problems in the player.
- Please be sure NOT to attach any ring-shape protector (or other accessory) to your discs. Those protectors are commercially available and said to protect disc and to improve sound quality (and antivibration effect), but they can do more harm than good in regular uses. The most common problems are disc insertion, disc ejections, and won't play problems due to the protector ring that came off in the disc mechanism.

About borrowed CDs

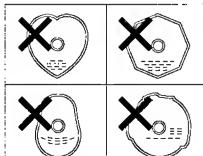
Do not use a CD with glue or remnants of adhesive tape or labels. They may cause the CD to get stuck inside or damage the deck.

How to remove CDs



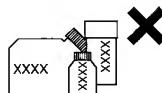
- When removing the ejected disc, pull it straight out along the slot.
- Pressing downward or lifting upward when removing a disc may scratch the recorded surface of the disc.

About irregularly-shaped CDs



- Specially-shaped CDs, like heart-shaped or octagonal CDs, cannot be played. Do not attempt to play them, even with an adapter, since they may damage the player.
- Do not insert 8 cm discs (single CD) into the disc slot.

About cleaning a CD



- Use a commercially available compact disc cleaner to clean a CD, wiping gently from the center to the edge.
- Do not use benzine, thinner, LP record spray or other cleaners on CDs. They may damage a CD's finish.

About MP3/WMA

ATTENTION

The making of MP3/WMA files by recording from sources such as broadcasts, records, recordings, videos and live performances without permission from the copyright holder for uses other than personal enjoyment is prohibited.

IV

What is MP3/WMA?

MP3/WMA (MPEG Audio Layer III) is a standard format for audio compression technology. By using MP3/WMA a file can be compressed to one-tenth the size of the original.

WMA (Windows Media™ Audio) is format for audio compression technology. WMA files can be compressed to a size smaller than MP3 files.

Playing an MP3/WMA disc

- This receiver can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case-upper/lower).
- This receiver can show the names of albums, artists (performer), and ID3 Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This receiver can play back MP3/WMA files meeting the conditions below:
 - Bit rate: 8 kbps - 320 kbps
 - Sampling frequency:
48 kHz, 44.1 kHz, 32 kHz (for MPEG-1) 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
 - Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/ folder names varies among the used disc format (includes 4 extension characters-<.mp3> or <.wma>).
 - ISO 9660 Level 1: up to 12 characters
 - ISO 9660 Level 2: up to 31 characters
 - Romeo*: up to 128 (72) characters
 - Joliet*: up to 64 (36) characters
 - Windows long file name*: up to 128 (72) characters
- * The parenthetic figure is the maximum number of characters for file/folder names in case the total number of files and folders is 313 or more.
- This receiver can recognize the total of 512 files, of 200 folders, and of 8 hierarchies.
- This receiver can play back the files recorded in VBR (variable bit rate).
- The files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.
- This receiver cannot play back the following files:
 - MP3 files encoded with MP3i and MP3 PRO formats.
 - MP3 files encoded in an unappropriated format.
 - MP3 files encoded with Layer 1/2.
 - WMA files encoded with lossless, professional, and voice formats.
 - WMA files which are not based upon Windows Media® Audio.
 - WMA formatted files copy-protected with DRM.
 - Files which have the data such as WAVE, ATRAC3, etc.
- The search function works but search speed is not constant.

TRACK (FILE) UP / DOWN

CD (MP3/WMA)	Press the [^] or [▼] button briefly.		Advances to the next track (file).
			Returns to the beginning of the track (file) being played. Repeat turning for previous tracks (files).
	1 Press the [FUNC] button. 2 Press the [^ +10] or [▼ -10] button while [FUNC] is blinking on the display.		Selects the 10th track, the 20th one, the 30th one, ... and then the last one as follows: When you are listening to the 26th track for example, each press of the button will advance to the 30th track, the 40th one, ... and then the last one.
			Selects the first track, the 10th one, the 20th one, the 30th one, ... as follows: When you are listening to the 26th track for example, each press of the button will return to the 20th track, the 10th one and then the first one.

Direct Track Selection

CD	Press a button from [1] to [6] briefly to select the track number corresponding to the [1] – [6] button.		To select a track number from 7 to 12, press a button from [1] to [6] for several seconds.
----	--	--	--

Fast Forward / Rewind

CD (MP3/WMA)	Press the [^] or [▼] button for several seconds.		Fast - forwards.
			Rewinds.

ATTENTION

- While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sound.
- When a CD is already loaded, press the [SOURCE] button to switch to the CD mode.
- This receiver can play back only the files of the same type which is first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- Use only "finalized" CD-Rs or CD-RWs.
- This receiver can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- If no MP3/WMA music files can be found, a message [NO FILES] will appear.
- Playback may be intermittent when there is a scratch on a CD or when the recorded side is dirty.

REPEAT			
CD	<p>1 Press the [FUNC] button.</p> <p>2 Press the [5] button while [FUNC] is blinking on the display.</p>		Repeating the same track. To cancel, press the [5] button again while [FUNC] is blinking on the display.
RANDOM			
CD	<p>1 Press the [FUNC] button.</p> <p>2 Press the [6] button while [FUNC] is blinking on the display.</p>		Playing tracks in random order. To cancel, press the [6] button again while [FUNC] is blinking on the display.
FOLDER UP / DOWN			
MP3/WMA	Press the [^] or [▼] button briefly.	 	Selects the next folder. Selects the previous folder.
Direct Folder Selection			
MP3/WMA	Press a button from [1] to [6] briefly to select the folder number corresponding to the [1] – [6] button.	     	To select a folder number from 7 to 12, press a button from [1] to [6] for several seconds.
FOLDER REPEAT			
MP3/WMA	<p>1 Press the [FUNC] button.</p> <p>2 Press the [5] button while [FUNC] is blinking on the display.</p>		Each time the button is pressed, the following will be displayed in order. Track repeat → Folder repeat → Repeat OFF → Track repeat ...
ALL RANDOM			
MP3/WMA	<p>1 Press the [FUNC] button.</p> <p>2 Press the [6] button while [FUNC] is blinking on the display.</p>		Each time the button is pressed, the following will be displayed in order. Folder random → Disc random → Random OFF → Folder random ...

**ATTENTION**

- Occasionally the same track (file) happens to be played (selected) two or more times in a row; this is normal operation and is not a sign of a problem.
- When any of the functions -"REPEAT" and "RANDOM"- is selected, a message such as [RPT] or [RAND] appears on the display to verify the current function.

Displaying CD text

If the CD came with a logo shown below, it is recorded with a disc title and track titles. These information will be displayed during playback.



1 Press the [DISP] button.

Each time the button is pressed, the following will be displayed in order.

Track No & elapsed time → Track No & clock → Disc name → Track name → Track No & elapsed time ...

CD TEXT recorded with characters other than alphanumeric and symbols cannot be displayed.

The display area shows a maximum of 8 characters and then scrolls to display the remaining characters.

After the folder name is displayed, the file name will be displayed by scrolling. After the file name is scrolled, the display will be fixed.

ATTENTION

This receiver can handle only one-byte characters. No other characters can correctly be displayed.

Ejecting the disc

1 Press the [Δ] button.

The disc will be ejected.

Displaying title

1 Press the [DISP] button.

Each time the button is pressed, the following will be displayed in order.

When “TAG DISP” is set to “TAG ON” (see page 23) :

Track No & elapsed time → Track No & clock → album/artist tag(folder name*) → title tag(file name*) → Track No & elapsed time ...

* If an MP3/WMA file does not have ID3 tags, folder name and file name appear. In this case, the TAG indicator will not light up.

When “TAG DISP” is set to “TAG OFF” :

Track No & elapsed time → Track No & clock → Folder name → File name → Track No & elapsed time ...

How to operate the tuner

ATTENTION

If stations have been stored in memory, pressing a button from [1] to [6] will directly select a station. (Refer to "Manually setting stations into memory" on page 18.)

CAUTION

If the vehicle's battery is disconnected (for repairs to the vehicle or for removing the receiver), all stations in memory will be lost. In such a case, set stations in the memory again.

Tuning to a station

1 Press the [BAND] button to switch to the desired FM, AM bands.

Radio bands will switch from FM1 → FM2 → FM3 → AM in order each time the button is pressed.

2 Press the [\wedge] or [\vee] button to start the automatic station search.

[\wedge] button:

Starts searching toward higher frequencies.

[\vee] button:

Starts searching toward lower frequencies.

● MEMO ●

To tune to a station manually;

Press the [\wedge] or [\vee] button until "M" is displayed. When "M" is displayed, press the [\wedge] or [\vee] button to select a station you want to listen to.

ATTENTION

At times, it may be difficult to maintain optimum reception because the antenna affixed to your vehicle is in motion constantly (relative to the broadcast antenna), encountering continuous variation in the received radio signals' strength. Other factors affecting reception include interference from natural obstacles, sign posts, etc.

IV

V

Entering stations into memory automatically (The automatic preset mode: ASM)

ASM is available for the FM radio mode.

1 Press the [BAND] button.

You can switch the mode to desired one.

2 Press the [FUNC] button.

3 Press the [3] button for several seconds while [FUNC] is blinking.

The automatic preset mode starts.

[ASM ON] will appear on the display, and stations are automatically entered in memory under the buttons [1] to [6].

These buttons are called preset buttons.



ATTENTION

- Pressing the preset buttons ([1] to [6]) allows you to make one-touch station selections. The frequency of the selected station is indicated on the display.
- When a new station is set in memory, the station previously set in memory will be deleted.
- If there are fewer than six receivable stations, the stations set in the remaining buttons will be retained.

Manually setting stations into memory

This section covers the setting of stations in memory under the numbered buttons.

1 Press the [BAND] button.

You can switch the mode to desired one.

Select a station (see page 17).

2 Press a button from [1] to [6] for several seconds.

3 Select any button, from [1] to [6], and press it for more than two seconds.

The tuned station is now memorized and set in the selected button. Repeat the procedure to set additional manually tuned stations in memory, in turn, for the buttons [1] to [6]. These buttons are called the preset buttons.

Changing the radio band location

The location for the radio bands used between the North American region and the Asia/Australia/Latin region can be switched. The default setting is USA (North America).

1 Press the [MODE] button for several seconds.

The mode will be switched to the function mode.

2 Press the [\wedge] or [\vee] button to switch the mode selection. [AREA] will be displayed.

3 Turn the control dial to select the region.

USA \leftrightarrow ASIA \leftrightarrow AUS \leftrightarrow LATIN

Switching to the monaural mode

If FM stereo is difficult to receive, switch to the monaural mode to receive it.

You cannot listen to FM broadcasts in stereo when the monaural mode is activated.

1 Press the [BAND] button to switch to the desired FM bands.

2 Press the [FUNC] button.

3 Press the [2] button while [FUNC] is blinking. [MONO] appears on the display.

● MEMO ●

- The monaural mode can be canceled in the same procedure.
- [MONO OFF] appears on the display

How to use the optional remote control

Precautions in use of the remote control

- Be careful when handling the control, especially because it is small and light. Dropping or striking it hard may damage it, wear out the battery or cause a malfunction.
- Keep the remote control free of moisture, dust and water. Do not subject it to shock.
- Do not place the remote control unit where it will get hot, such as on the dashboard or near a heater vent. Allowing the remote control unit to overheat may warp its case or cause other problems.
- Do not operate the remote control unit while driving because doing so could cause an accident.
- When using the remote control, point it toward at the remote control light receptor.
- The light receptor may not operate correctly if it is exposed to bright light such as direct sunlight.
- Be sure to press the [PWR] button on the main unit for more than two seconds to shut it down before leaving the car, or the car battery may be run down. When the main unit is shut down, the remote control will not work.
- Remove the batteries from the remote control unit whenever it is not to be used for a long time.

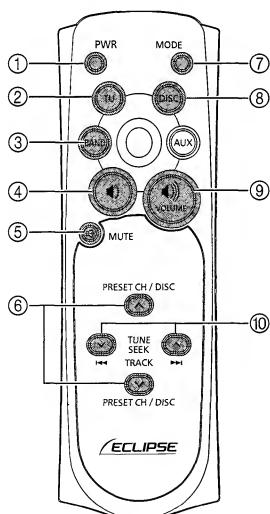
V

VI

Cleaning the remote control

- Use a dry cloth to keep the unit clean. If the remote control unit gets extremely dirty, clean it with a cloth moistened with diluted liquid detergent. Do not use alcohol or thinner; these compounds may damage the finish.
- In no event should benzine or thinner be used. These substances will damage the case or finish.

Remote control (optional)



No.	Button	Name/Function
①	[PWR] button	Turns deck power ON/OFF.
②	[TU] button	Switches to the tuner mode.
③	[BAND] button	Switches radio bands.
④	[VOLUME] button	Decreases the volume.
⑤	[MUTE] button	Activates and deactivates mute.
⑥	[V PRESET CH ^] buttons [V DISC ^] buttons	Select the desired radio preset channel and the desired MP3/WMA folder.

No.	Button	Name/Function
⑦	[MODE] button	Switches to the playback mode.
⑧	[DISC] button	Switches to the DISC mode.
⑨	[] button	Increases the volume.
⑩	[] TUNE-SEEK [] buttons	[] TRACK [] buttons
	Select radio stations and CD tracks.	

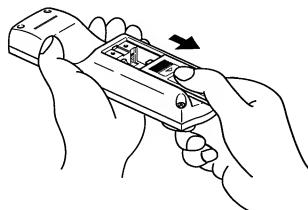
Replacing the battery

WARNING

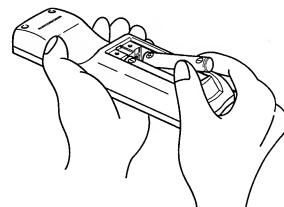
To prevent accidents, store batteries out of the reach of children. If a child has swallowed one, consult a doctor immediately.

Use two AAA size batteries.

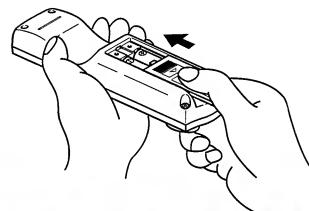
- 1 Remove the back cover of the remote control unit by gently pressing and sliding it in the direction indicated by the arrow.**



- 2 Install the two batteries provided into the compartment as illustrated inside the compartment.**



- 3 Return the back cover into place by sliding it in the direction indicated by the arrow.**



CAUTION

- Be extremely careful not to swallow the battery.
- The battery life is approximately one year. If the remote control unit does not operate correctly or if the button lamp gets dim, replace the batteries.
- Be sure to orient the batteries correctly so that the positive and negative poles match the diagram.
- Do not use one new battery and one old one; use two new batteries.
- Use only two of the same kind of battery.
- If any liquid is seen leaking from the batteries; remove both batteries and dispose of them properly. Thoroughly clean the battery compartment with a dry cloth. Then install new batteries.

How to operate the AUDIO CONTROL

Switching audio control modes

Various audio control modes may be fine-tuned using this procedure.

1 Press the [MODE] button to select the item to be adjusted.

Modes will switch in the order shown below each time the button is pressed.

VOL → BASS → TREB → FAD → BAL → LOUD → VOL ...

ATTENTION

- If you change the "AMP GAIN" setting from "HIGH PWR" to "LOW PWR" while the volume level is set higher than "VOL 30," the receiver automatically changes the volume level to "VOL 30."
- Pressing the [MUTE] button briefly will cut the volume or restore it instantly.

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WARNING

Do not adjust the volume or other controls while driving the vehicle. Do so only while parked in a safe location.

Mode	Function	[AUDIO CONTROL] button	
		Turn to the Left	Turn to the Right
VOL (VOLUME)	Adjusts volume.	Decreases the volume.	Increases the volume.
BASS	Adjusts bass level. Bass mode can be adjusted for each source	Softens low sounds.	Emphasizes low sounds.
TREB (TREBLE)	Adjusts treble level. Treble mode can be adjusted for each source	Softens high sounds.	Emphasizes high sounds.
FAD (FADER)	Adjusts front/rear speaker balance.	Emphasizes rear speakers.	Emphasizes front speakers.
BAL (BALANCE)	Adjusts left/right speaker balance.	Emphasizes left speakers.	Emphasizes right speakers.
LOUD	The loudness control may be turned on to emphasize low and high frequencies at low volume levels. Loudness compensates for the apparent weakness of low and high frequencies at low volume by boosting the bass and treble levels.	Turn the loudness control ON/OFF.	

Making changes with Equalizer Mode

Using EQ (equalizer), you can adjust the frequency according to the genre of the music you are listening to or the kind of the musical instruments.

Furthermore, the set value in the audio control mode can be stored and called USER mode set value.

1 Press the [EQ] button for less than one second.

Each time the button is pressed, the selection changes in the following order.

Indication	Preset values		
	BASS	TREB	LOUD
USER	0	0	OFF
SHARP	0	+03	OFF
SOFT	+01	+01	OFF
VOCAL	-01	-01	OFF
POWER	+02	+02	ON
BEAT	0	+02	ON



ATTENTION

The adjusted bass, treble and loudness level can be stored in the USER mode. The stored level can be called from the USER mode.

Making changes with Function Mode

- 1** Press the [MODE] button for several seconds.

The mode will be switched to the function mode.

- 2** Pressing the [\vee] or [\wedge] button will switch the mode selection.

Mode	Function	Control dial	
		Turn to the Right	Turn to the Left
DEMO	DEMO mode setup	ON	OFF
CLOCK H	CLOCK adjust mode (hour)	UP direction	DOWN direction
CLOCK M	CLOCK adjust mode (minute)	UP direction	DOWN direction
DIMMER	Dimmer mode change setup	ON	OFF
TEL	TELE MUTE detect signal logic setup	MUTING 1 \leftrightarrow MUTING 2 \leftrightarrow OFF	
SCROLL	TEXT title auto scroll style setup	ONCE \leftrightarrow AUTO \leftrightarrow OFF	
TAG DISP	TAG display setup	ON	OFF
AMP GAIN	AMP.Gain change setup	HIGH PWR	LOW PWR
AREA	Tuner Area change setup	see page 18	

VII

VIII

- 3** Turn the control dial to select the setting.

- 4** Press the [MODE] button to exit the function mode.

Detaching the front panel

Using the detachable panel

The front panel of the unit can be removed.

By removing this panel when you leave the vehicle, you can prevent the theft of the unit.

How to remove the detachable panel

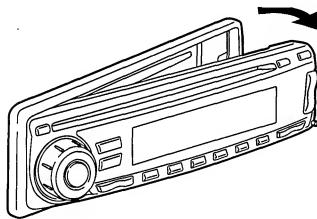
1 Turn off the unit power.

2 Press the [Release] button.

The right end of the front panel detaches from the body of the main unit or equipment.

3 Remove the front panel.

Hold the front panel and pull it toward you to remove it.



How to fit the detachable panel

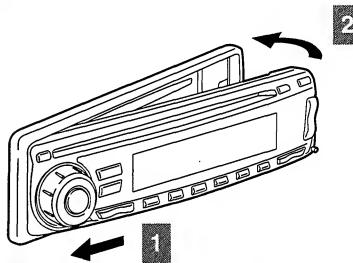
1 Insert the left end of the front panel into the main unit or equipment.

Engage the catch at the left end of the front panel with the lock on the unit itself.

2 Insert the front panel.

Press the right end of the front panel until it clicks into the place.

3 Press the [PWR] button to turn the power ON.



CAUTION

- If you drop the detachable panel or subject it to impact, it may be damaged or malfunction.
- Do not detach or fit the detachable panel while driving since this could cause an accident.
- Store the panel at a location free from humidity, dust, and water.
- Do not leave the detachable panel in locations that are likely to become hot, like the dashboard and surroundings.

If you have a question:

Displayed information (for troubleshooting)

The information listed in the chart below is displayed to show the status of the CD. Refer to the chart for the appropriate action.

	Symptoms	Causes	Remedies
General	Sound cannot be heard from the speakers.	The volume level is set to the minimum level. Connections are incorrect.	Adjust it to listening level. Check wiring and connections.
	This receiver does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	Reset the receiver .
FM/AW	ASM automatic presetting does not work.	Signals are too weak.	Store stations manually.
	Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
Disc playback	Disc is automatically ejected.	Disc is inserted upside down.	Insert the disc correctly.
	·CD-R/CD-RW cannot be played back. ·Tracks on the D-R/CD-RW cannot be skipped.	CD-R/CD-RW is not finalized.	·Insert a finalized CD-R/CD-RW. ·Finalize the CD-R/CD-RW with the component which you need for recording.
	Disc can be neither played back nor ejected.	Disc is locked.	Unlock the disc (see page 16).
		The CD player may have functioned incorrectly.	Eject the disc forcibly (see page 16).
	Disc sound is sometimes interrupted.	You are driving on rough roads.	Stop playback while driving on rough roads.
		Disc is scratched.	Change the disc.
		Connections are incorrect.	Check wiring and connections.
	"NO DISC"appears on the display.	Disc is inserted incorrectly.	Insert the disc correctly.

IX

X



Other information

	Symptoms	Causes	Remedies
MP3/WMA playback	Disc cannot be played back.	No MP3/WMA tracks are recorded on the disc. MP3/WMA tracks do not have the extension code <.mp3> or <.wma> in their file names. MP3/WMA tracks are not recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet.	Change the disc. Add the extension code <.mp3> or <.wma> to their file names. Change the disc. (Record MP3/WMA tracks using a compliant application.)
	Noise is generated.	The track played back is not an MP3/WMA file (although it has the extension code <.mp3> or <.wma>).	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	A longer readout time is required ("CHECK" keeps flashing on the display).	Readout time varies due to the complexity of the folder/file configuration.	Do not use too many hierarchies and folders.
	Tracks cannot be played back as you have intended them to play.	Playback order is determined when the files are recorded.	_____
	Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.	_____
	"NO FILES" appears on the display.	The current disc does not contain any MP3/WMA tracks.	Insert a disc that contains MP3/WMA tracks.
	Correct characters are not displayed (e.g. album name)..	This receiver can only display alphabets (capital: A - Z), numbers, and a limited number of symbols	_____

Mode	Problem	Causes	Remedial action to take	Refer to page
Common to all	Dead or weak sound	Is the volume control up sufficiently?	Turn up the volume control.	21
		Is the muting function in effect (MUTE)?	Cancel the muting (MUTE) function.	21
		Is the fader or balance control set far to one side?	Readjust the fader and balance controls to more normal positions.	21
		Other probable causes include broken audio-signal wiring or a faulty speaker.	Have your dealer check the problem.	—
	Power does not turn on.	Are there too electrical items installed and causing a lack of power?	Have your dealer check the problem.	—
		Other probable causes include a run-down car battery, broken power or interconnection wiring.	Have your dealer check the problem.	—
	Frequencies or titles set in memory are deleted.	Has the car battery been disconnected for repair or checked out?	Reenter them into memory.	17, 18
		Are there too electrical items installed and causing lack of available power?	Have your dealer check the problem.	—
		Other probable causes include run-down car battery, broken power or interconnection wiring.	Have your dealer check the problem.	—
	The remote control does not work.	Is the battery low?	Replace battery.	20
		Is the battery installed in reverse polarity?	Reinstall the battery in the correct polarity.	20
		Is direct sunlight hitting the remote control light receptor?	Use the remote control close to the receptor.	—
		Other probable causes include a malfunctioning remote control.	Have your dealer check the problem.	—

X

Other information

Mode	Problem	Causes	Remedial action to take	Refer to page
CD.	The disc cannot be inserted. The disc is ejected as soon as it is inserted. Or, the disc cannot be ejected. The disc cannot be changed.	Is an extra label or seal applied to the disc? Are there rough edges, deformations or damaged areas on the disc?	Do not apply labels or seals to the disc. Try inserting another disc. Remove any burrs. Do not use a deformed or damaged disc.	11 11
	Sound skips around. Sound is intermittent. Sound is bad in quality.	Is the disc damaged? (scratched, warped, etc.) Is the disc clean? Is the player mounted at a proper angle? Is the player mounted loosely? Are you driving over a rough surface?	Try another disc. Do not play a damaged disc. Clean the disc. Have your dealer check it out. Avoid playback while driving over rough surfaces.	11 12 — 8
	The disc cannot be ejected.	Is the [▲] button locked?	Press the [SOURCE] and [▲] buttons simultaneously for several seconds.	—
	Receives no stations, or receives static noise.	Is the antenna retracted? Is the tuner correctly tuned to a station?	Extend the antenna. Tune to a station.	— 17
		Are you driving out of the service area of your preset stations?	Tune to a local station. (Please note, there may be no local stations servicing the area where you are currently driving.)	17
		Are you operating other equipment such as computer, or a mobile phone, in your vehicle at the same time as your receiver?	Avoid operating such equipment while using the receiver.	—
		Other problems may include a loose or disconnected antenna cable, a bad antenna cable or a bad wiring.	Have your authorized Eclipse retailer check the problem.	—

Specifications

<GENERAL>

Power Output	50W×4
Line Output Level/Impedance	2.5V / 20kΩ load (full scale)
Power Supply	14.4V DC (11-16V)
Load Impedance	4Ω (4Ω to 8Ω allowance)
Frequency Response	40 Hz~20 000 Hz
Allowable Operating Temperature	0° C~+40° C (32° F~104° F)
Dimensions (W × H × D)	7" x 2" x 5-15/16" (178 x 50 x 150 mm)
Mass (approx.)	3.1 lbs (1.4 kg) (excluding accessories)
Tone Control	BASS: ±10db at 100Hz Treble: ±10db at 10kHz

<FM TUNER>

Frequency Range	
USA:	87.75~107.9MHz (0.2MHz step)
Asia:	87.5~108.0MHz (0.05MHz step)
Australia:	87.5~108.0MHz (0.1MHz step)
Latin America:	87.75~107.9MHz (0.1MHz step)
Usable Sensitivity	11.3dBf (1.0μV / 75Ω)
50dB Quieting Sensitivity	16.3dBf (1.8μV / 75Ω)
Alternate Channel Selectivity (400 kHz)	65dB
Capture Ratio	1.5dB
Frequency Response	40~15,000Hz
Stereo Separation	35dB (1kHz)

X

XI

<AM TUNER>

Frequency Range	
USA:	530~1710kHz (10kHz step)
Asia:	522~1629kHz (9kHz step)
Australia:	522~1710kHz (9kHz step)
Latin America:	530~1710kHz (10kHz step)
Usable Sensitivity	20μV
Selectivity	35dB

<CD SECTION>

Frequency Response	5Hz~20,000Hz
Wow & Flutter	Less than measurable limit
S/N Ratio	98dB
Dynamic Range	96dB
Number of channels	2 channels (stereo)
MP3 decoding format	MPEG1/2 Audio Layer 3
Max. Bit Rate	320 Kbps
WMA (Windows Media® Audio) decoding format	Max. Bit Rate: 192 Kbps

How to contact customer service

Should the product require service, please contact the following Eclipse dealer near your house.

<U.S.A/CANADA>

Fujitsu Ten Corp. of America
19600 South Vermont Avenue, Torrance, CA 90502
Phone: (310) 327-2151

<AUSTRALIA>

Fujitsu Ten (Australia) PTY LTD.
89 Cook Street Port Melbourne, Victoria 3207, Australia
Phone: 1800 211 411

<MALAYSIA>

CSE Automotive Technologies Sdn. Bhd.
Level 5, Axis Plaza, Jalan U1/44, Glenmarie, 40150 Shah Alam,
Selangor D.E., Malaysia.
Phone: 03-5569-4200
Fax: 03-5569-4201

<SINGAPORE>

Cobra Singapore Pte Ltd
#07-02, King's Centre 390, Havelock Road Singapore 169662
Phone: 6737 2568
Fax : 6737 9538

<KOREA>

Transpectra Co., Ltd.
115-16 nonhyun dong kangnam ku Seoul, Korea.
Phone: 02-540-4595
Fax: 02-2-540-4666

<TAIWAN>

Sentrek Taiwan, LTD.
1, 9F, Lane 155, Section 3, Peishen RD., Shenkeng, Taipei Hsien, 222
Taiwan, R.O.C.
Phone: 02-2662-8110
Fax: 02-2662-8117

<THAILAND>

Sho-Ten Co., Ltd.
114/9 Soi Suwansawadi, Thungmahamek, Rama 4 Rd., Sathorn,
Bangkok 10120, Thailand.
Phone: 02-671-9610-12
Fax: 02-671-9614



This device complies with part 15
of the FCC Rules. Operation is subject
to the condition that this device
does not cause harmful interference.

CUSTOMER NOTICE

Please retain this booklet and write in the serial number
of your CD1000 for identification.
The serial number is labeled or stamped on the chassis.

Serial No. _____



Cet appareil est conforme à la section 15
de la réglementation FCC.
Cet appareil ne peut être utilisé
que s'il n'occasionne pas d'interférences nuisibles.

REMARQUE

Veuillez conserver ce manuel et y inscrire le numéro de
série de votre CD1000.
Ce numéro est collé ou estampillé sur le châssis.

N° de série _____



Este dispositivo cumple con lo establecido en la Parte 15
de la Normativa de la FCC.
Su funcionamiento está sujeto a la condición de
que no cause interferencias perjudiciales.

AVISO AL CONSUMIDOR

Rogamos conserve este manual y anote en él el número
de serie de su CD1000 para su posterior identificación.
Dicho número de serie aparece en una etiqueta o bien
estampado sobre el equipo.

Núm. de serie _____

FUJITSU TEN LIMITED

Contact:FUJITSU TEN CORP. OF AMERICA
19600 So. Vermont Avenue, Torrance, CA 90502
Call:800-233-ECLIPSE

www.eclipse-web.com

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FUJITSU TEN LIMITED en 50 países.

090002-29550700 0511 (F)
LVT1449-001A



CD Multi-Source Receiver

MODEL CD 1000

INSTALLATION MANUAL

Be sure to read this installation manual thoroughly prior to installation and making connections. If installation methods or non-standard parts not specified in this installation manual are used, accidents or injury may result.

Professional installation is recommended, contact the place of purchase to schedule an appointment. After reading the owner's manual and the installation manual thoroughly, keep them in a safe place for later reference.

To dealers:

Give this installation manual to the customer after installation and all connections have been completed.

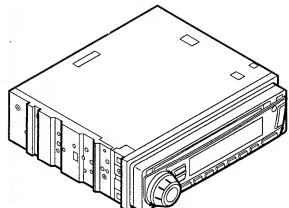
Contents

Before installation	Components For your safety in using the CD1000	2 3
Connections	Names and functions of terminals System connection example	5 7
Installation	Installing the main unit	9

FUJITSU TEN

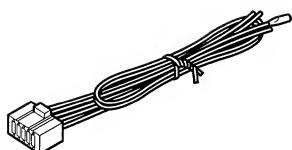
Components

Check that all of the following components are present



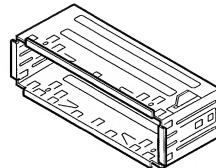
① Main unit

x 1



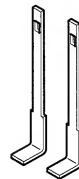
② Interconnecting wires

(Power and speaker connector)
(16P) x 1



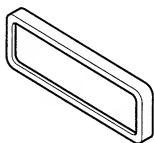
③ Mounting sleeve

x 1



④ Audio unit removal tool

x 2



⑤ Bezel

x 1



⑥ Round-head bolt

(Red:M5x8) x 4



⑦ Flat head screw

(Red:M5x8) x 4



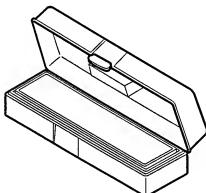
⑧ Stud bolt

x 1



⑨ Bushing

x 1



⑩ Case

(For detachable panel) x 1



⑪ Hex nut

(M5) x 1



⑫ Washer

(M5) x 1



⑬ Screw

(M2x6) x 1



Tip

When installing the main unit, some vehicle models may require the use of items that need to be obtained separately such as a power supply adaptor wire, radio antenna adaptor wire or mounting bracket.

For your safety in using the CD1000

Warnings and caution signs, illustrated below, are posted throughout this manual as well as on the CD1000. They show safe and correct ways to handle the main unit to prevent personal injury to you and others and avoid damage to property.

Before reading through the manual, take time to read through and learn the important information listed in this section.



Warning

This "Warning" sign indicates a situation in which incorrect handling may result in death or serious personal injury.



Caution

This "Caution" sign indicates a situation in which incorrect handling may result in personal injury or may result solely in damage to property.



Tip

This section contains information that can help to prevent problems and damage to the main unit, and also contain other useful information.

Warning

- Do not install this main unit in locations where it may obstruct the driver's view, or where it may endanger passengers in the vehicle. Otherwise, an accident or injury may result.
- Do not install this main unit in locations where it may interfere with the operation of the steering wheel, shift lever, brake pedal, etc. Otherwise, an accident or injury may result.
- To prevent damage to the vehicle, confirm the locations of hoses, electrical wiring, and the fuel tank prior to drilling holes to install this main unit. Also, take precautions so that the main unit does not interfere, nor come in contact with them. Otherwise, a fire may result.
- When installing this main unit, never use the existing nuts or bolts that secure parts of the fuel tank, or the steering, or braking systems. Otherwise, improper steering, or braking or a fire may result.
- To prevent a short circuit from occurring, disconnect the battery's negative terminal before installing this main unit. Otherwise, an electric shock or injury may result.
- When using an existing nut and/or bolt from the vehicle to ground this main unit, do not use any that secure parts of the steering or braking systems. Otherwise, an accident may result.
- Bundle wires and harnesses with electrical tape or wire ties to prevent them from interfering with moving parts. If they should entangle with the steering wheel, shift lever, or brake pedal, an accident may result.
- Never supply power to another electrical appliance by splicing or tapping into this main unit's power wire. Otherwise, the current capacity of the wire will be exceeded, resulting in a fire or electric shock.
- Never attempt to disassemble or modify the main unit. Otherwise, an accident, fire, or electric shock may result.
- When installing the main unit into a vehicle with a passenger side air bag, do not secure it to the air bag's cover or in places where it may impede air bag deployment. Otherwise, proper air bag operation may not be ensured in the event of an accident, causing injury or death.
- When making holes (example: drilling) be sure to wear protective eyewear. Otherwise, an injury such as loss of eyesight may result.
- Exposed wires must be insulated with electrical tape. Otherwise, a short circuit, fire, or electric shock may result.
- Do not modify this system for use other than that specified herein. Also, do not deviate from the installation procedures described herein; Eclipse will not be held liable for damages including, but not limited to serious injury, death, or property damage resulting from installations that enable unintended operation.
- This main unit is intended for operation in DC 12volt, negative-grounded vehicles only. Never use it in 24-volt vehicles such as heavy trucks or diesel vehicle with cold-region specifications.

! Warning

- Do not place the vinyl storage bag over a person's head. It may cause a serious accident or death by suffocation.
- Do not disassemble or rebuild this main unit. Doing so may cause an accident, fire, or electrical shock.
- When it is necessary to replace the fuse, always use a fuse of the correct rating (number of amperes). Use of fuses with higher amperage ratings may cause a fire.
- Do not operate the main unit in a malfunctioning condition, for instance, when the audio does not play. Doing so may result in an accident, fire, or electrical shock.
- If an abnormal situation occurs, such as foreign matter entering or liquid splashing on the main unit, or smoke or a strange odor emitting from the main unit, shut off the main unit immediately and consult the dealer from whom you purchased it. Continued operation may cause an accident, fire, or electrical shock.

! Caution

- For best results, this main unit should be installed by a professional installer.
Contact the dealer whom you purchased the main unit for an appointment.
- When installing this main unit, be sure to use the supplied mounting hardware. If parts other than those supplied are used, the main unit may be damaged internally, or may not be held in place securely and become dislodged.
- Avoid installing this main unit in places where it may get wet, such as near windows, or in places that are moist or dusty. Presence of liquid, moisture, or dust inside this main unit can cause short circuiting resulting in smoke or fire.
- If this main unit is not connected properly, a short circuit, fire, or accident may occur.
- When routing wires, use precautions to prevent contact of sharp metal parts such as brackets or screw tips. Otherwise, a short circuit, electric shock, fire, or accident may result.
- Play the audio at a moderate volume level that permits you to hear sounds from outside the vehicle. Driving without being able to hear outside sounds may result in an accident.
- This main unit must be operated only as on-board main unit, or it may cause electrical shock or injury.
- Do not play distorted sounds for long periods of time; the speakers may overheat and cause a fire.
- Use supplied wire harness with this main unit. Other manufacturers may use a similar wire harness connector but pin configurations are incorrect for use with Eclipse main units and can damage the main unit. Prior to powering up the main unit, please make sure the main unit is properly grounded with the vehicle chassis. If no ground is available to the chassis, add a ground strap from the main unit to the vehicle chassis to improve the ground.
- Do not use with speakers having 1 to 3 ohms impedance. This main unit is designed to be used with high-powered speakers rated above 50w with impedance rating between 4 and 8 ohms.

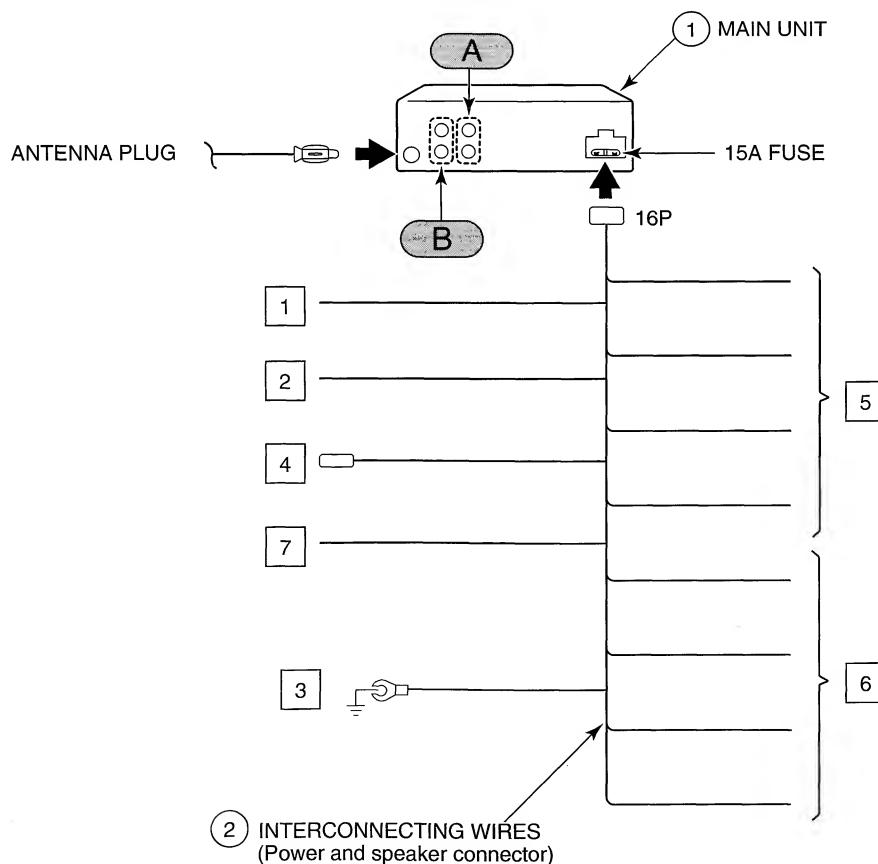
Name and functions of terminals

⚠ Warning

- Never cut the insulation on the power wire or use it to power any other equipment. If the rated current capacity of the power wire is exceeded, fire and electric shocks may result.
- The wires should be secured with tape or a similar securing method to prevent any obstructions while driving. If they get wound or entangled around components such as the steering wheel, shifting lever, or brake pedal, accidents may result.
- If removing the end of the wire to connect to another wire, be sure to wrap PVC tape or a similar wire insulating method around the connection to insulate it. If the connection is not insulated, fire or accidents may result.

⚠ Caution

- Use supplied wire harness with this main unit. Other manufacturers may use a similar wire harness connector but pin configurations are incorrect for use with Eclipse main units and can damage the main unit. Prior to powering up the main unit, please make sure the main unit is properly grounded with the vehicle chassis. If no ground is available to the chassis, add a ground strap from the main unit to the vehicle chassis to improve the ground.
- Do not use with speakers having 1 to 3 ohms impedance. This main unit is designed to be used with high-powered speakers rated above 50w with impedance rating between 4 and 8 ohms.



Tip

- Refer to page 6 for details on the wire colors and connection points for interconnecting wires ②.
- Refer to page 6 for details on connection points A and B for the main unit wires and terminals.

◆Wire colors and connection points for connection wires ②



Caution

Never connect the power supply to the speaker wires (No.5 and No.6), otherwise it will cause damage to the main unit.

1 ACC (Red)

Connect where the power comes on when the ignition is in the ACC position.

2 B+ (Yellow)

Connect where power is constantly available, regardless of the ignition key's position.

3 Ground (Black)

Connect where good body grounding is available.

4 Control power supply or automatic antenna power supply connection terminal (blue/white)

Connect to the power supply terminal for the power amplifier or other equipment, or to the vehicle's automatic antenna control terminal. (200mA max.)

5 Front speaker output wires

Connect to the front speakers.

White: Left +

White/black: Left -

Gray: Right +

Gray/Black: Right -

6 Rear speaker output wires

Connect to the rear speakers.

Green: Left +

Green/black: Left -

Purple: Right +

Purple/Black: Right -

7 Cellular phone mute Wire (Pink)

Connect to the ground output terminal on a mobile phone.

◆Main unit connections

A

Front line-out terminals

Connect to the RCA connector of an external amplifier.

B

Rear line-out terminals

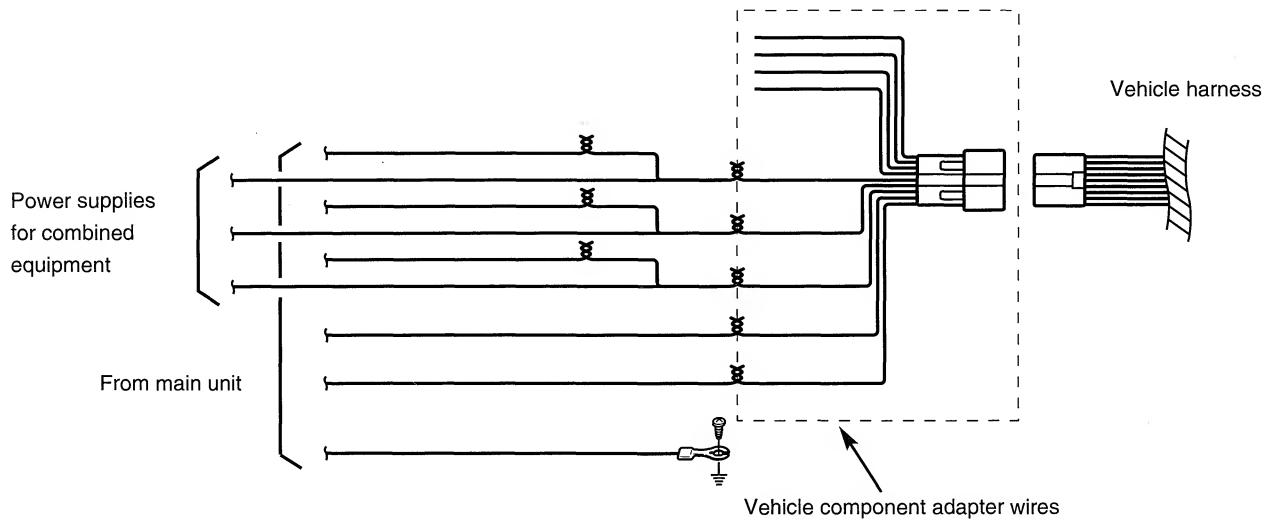
Connect to the RCA connector of an external amplifier.

– Vehicle connections –

Tip

- You will need to purchase the necessary vehicle component adapter wire for the vehicle so that the power supplies can be utilized. (Contact the dealer for further details.)
- Be sure to wrap the connection wires with electrical tape or another insulation method to insulate them.

– Example of using vehicle adapter wires –



System connection example

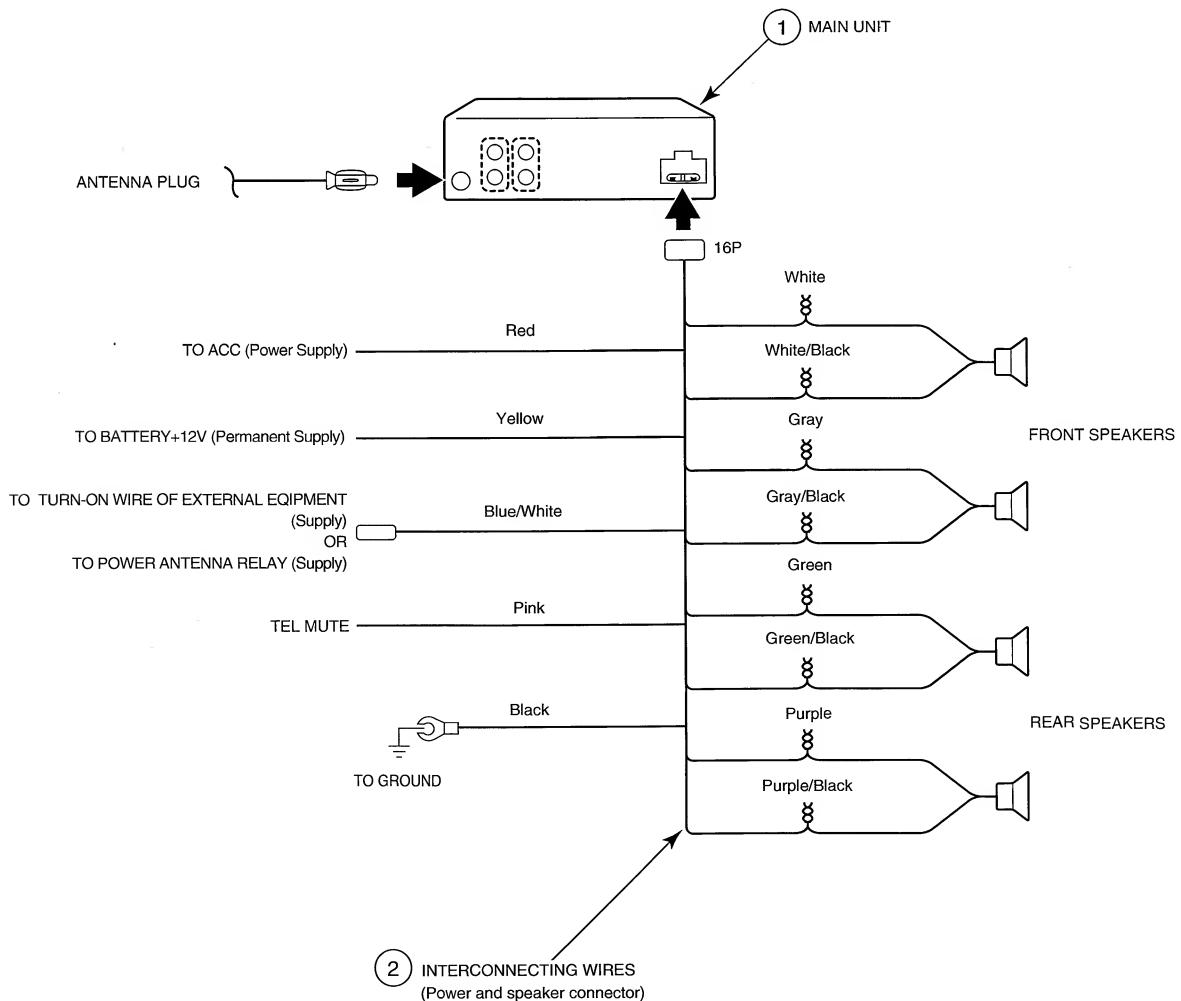
⚠ Warning

- Never cut the insulation on the power wire or use it to power any other equipment. If the rated current capacity of the power wire is exceeded, fire and electric shocks may result.
- The wires should be secured with tape or a similar securing method to prevent any obstructions while driving. If they get wound or entangled around components such as the steering wheel, shifting lever, or brake pedal, accidents may result.
- If removing the end of the wire to connect to another wire, be sure to wrap PVC tape or a similar wire insulating method around the connection to insulate it. If the connection is not insulated, fire or accidents may result.

Tip

- Install and connect all of the peripheral equipment before connecting them to the main unit.
- Do not remove any of the protective caps (RCA, etc.) unless in use.
- Be sure to wrap the connection wires with tape (PVC tape) to insulate them.
- Adjust the external amplifier's input level.

■ CD1000 Main unit, used alone



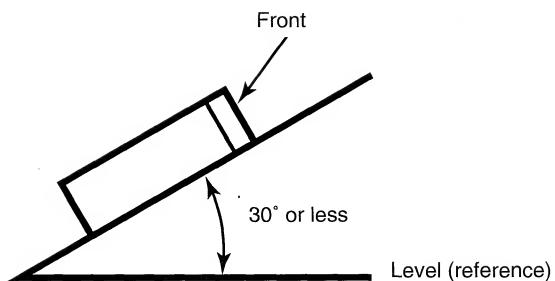
Installing the main unit

– Installation angle –



Tip

To maintain proper function, the main unit must be mounted less than 30 degrees. If the angle is in excess of 30 degrees, CD skipping and improper CD ejection may occur.

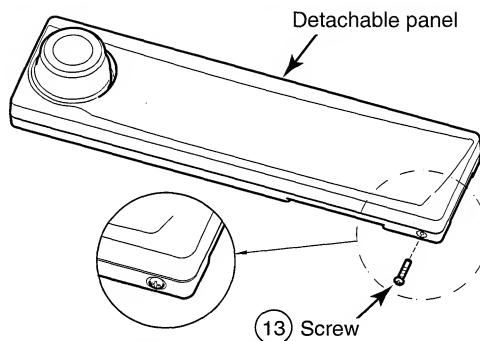


– Installation preparation –

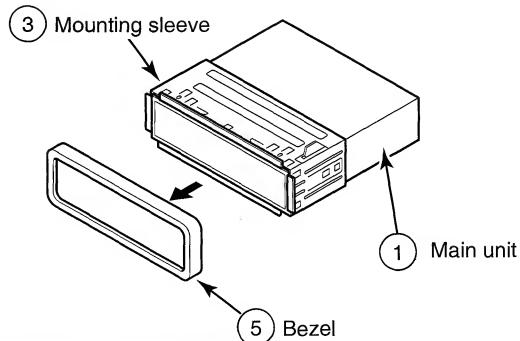


Tip

When it is not required to detach the front control panel from the main unit, use the provided screw to attach the control panel to the main unit.



- 1 Remove the bezel.

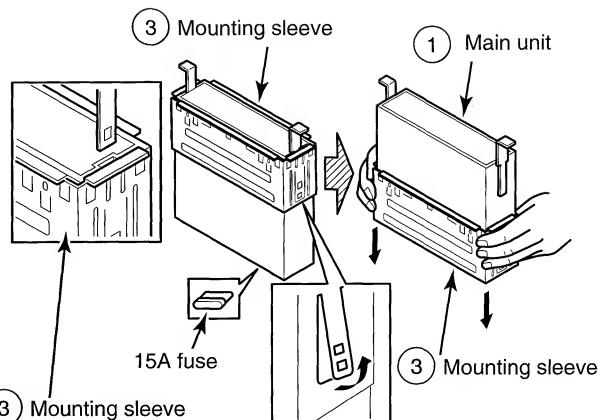


- 2 Insert the audio unit removal tool on the left and right side of the main unit, and disengage the lock of the mounting sleeve.
- 3 Remove the mounting sleeve from the main unit.



Tip

Be careful not to damage the fuse that is installed on the back side of the main unit when removing the mounting sleeve from the main unit.



– Mounting the main unit (If installing the main unit using the mounting sleeve) –

Tip

- Carefully bind any excess length of wire that is connected to the main unit and secure it to an area of empty space in the vehicle so that it does not dislodge or interfere with the main unit or vehicle-side equipment. If the wires are not handled correctly, operating problems or short-circuits may occur, and this may result in the danger of fire or other accidents.
- Connect all wires before installing the main unit.

1 Insert the mounting sleeve into the opening in the vehicle dashboard or console box.

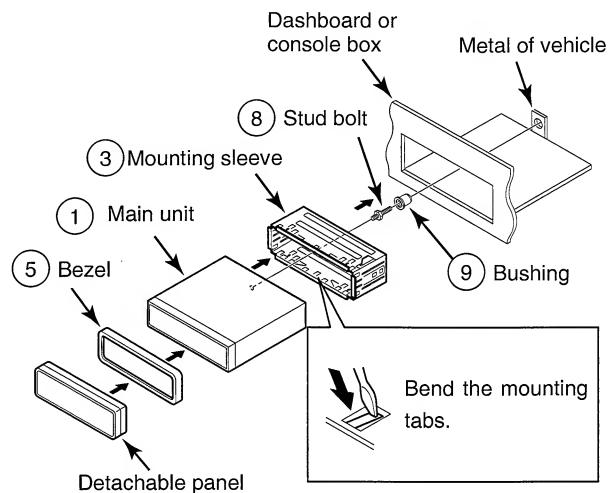
2 Use a screwdriver or a similar tool to bend the tabs in the mounting sleeve to secure the mounting sleeve.

3 Mount the stud bolt and bushing to the main unit.

4 Insert the main unit into the mounting sleeve until it locks in place.

5 Fasten the rear of the main unit.

6 Install the bezel on the main unit.

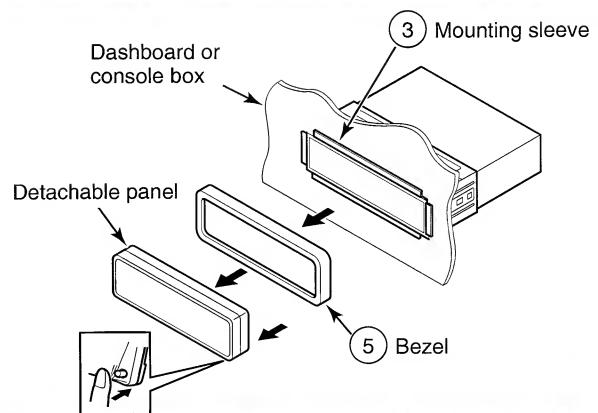
**Tip**

- Be careful not to forcefully push on the main unit's display or buttons during installation. This may result in damage to the main unit.
- This installation method is only one example. When installing the main unit to the vehicle, be sure to ask the place of purchase for information on the installation method used.

– Removing the main unit (If installing the main unit using the mounting sleeve) –

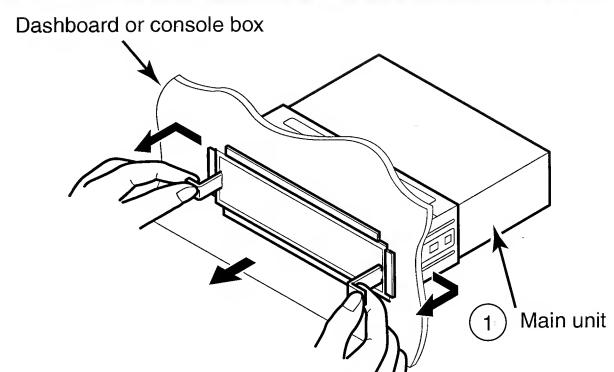
1 Remove the detachable panel.

2 Remove the bezel.



3 Insert the audio unit removal tool on the left and right side of main unit, and disengage the lock of the mounting sleeve.

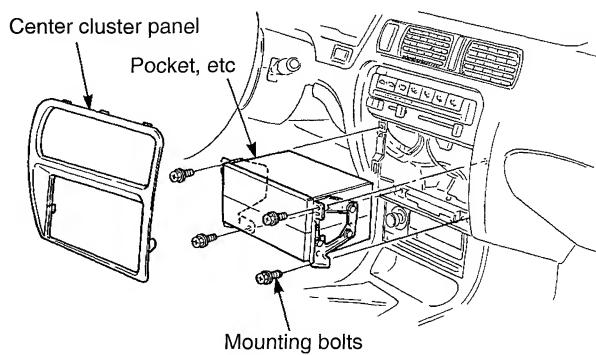
4 Remove the main unit from the mounting sleeve.



—Mounting the main unit (If installing the main unit using the side brackets of the vehicle)—

Tip

- Carefully bind any excess length of wire that is connected to the main unit and secure it to an area of empty space in the vehicle so that it does not dislodge or interfere with the main unit or vehicle-side equipment. If the wires are not handled correctly, operating problems or short-circuits may occur, and this may result in the danger of fire or other accidents.
- Connect all wires before installing the main unit.



- 1 Remove the pocket and any other accessories from the center cluster to make room for the main unit.
- 2 Remove the mounting brackets for the pocket.
- 3 Attach the brackets to the main unit.

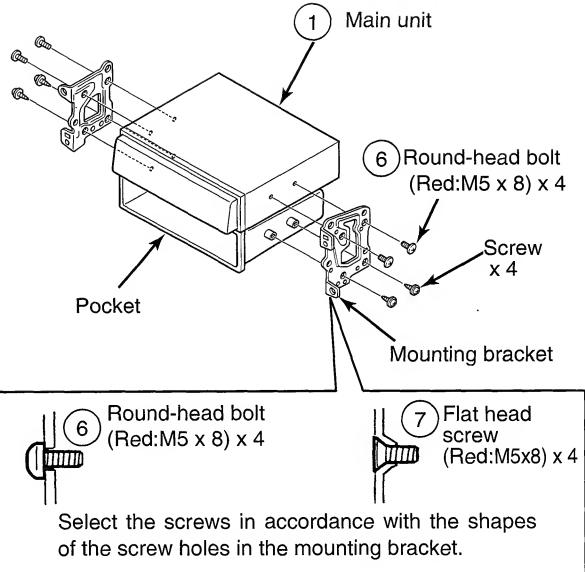
Tip

Be sure to use the supplied accessory mounting screws (Red:M5 x 8) as the mounting screws. If any other screws are used, they may damage the inside of the main unit.

- 4 Install the main unit in the vehicle.

Tip

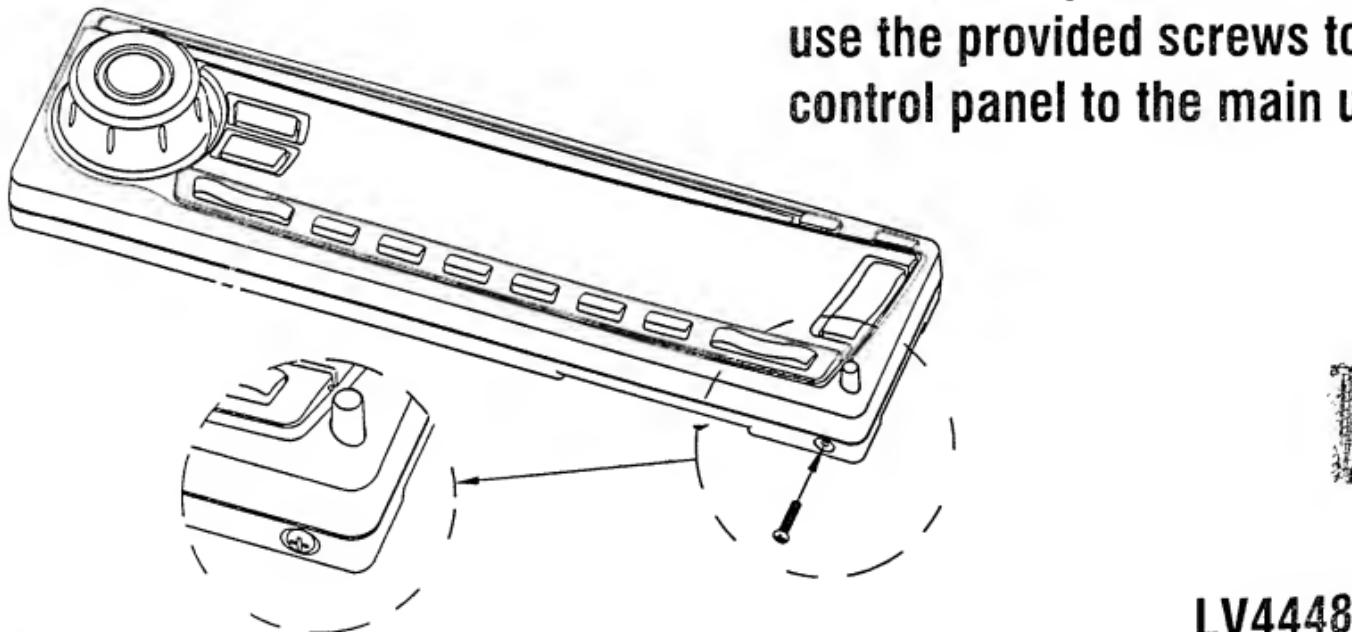
- Be careful not to forcefully push on the main unit's display or buttons during installation. This may result in damage to the main unit.
- This installation method is only one example. When installing the main unit to the vehicle, be sure to ask the place of purchase for information on the installation method used.



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When it is not required to detach the front control panel from the main unit, use the provided screws to attach the control panel to the main unit.



LV44482-001A



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